

priations for the establishment of experiment stations, laboratories and the prosecution of many forms of scientific investigation, and nowhere can he get this information so effectively as through biological studies. The scientific ideas and ideals upon which such measures are based if once drilled into the student by concrete example and experiment will inevitably affect his conduct through all his future life. Public encouragement, or at least public tolerance, must exist before we can travel far in the application of biological principles to the welfare of the community or of the nation.

M. F. GUYER

UNIVERSITY OF WISCONSIN

#### SCIENTIFIC EVENTS

##### THE LAKE LABORATORY OF THE OHIO STATE UNIVERSITY

For the session of 1918 the Lake Laboratory will be located at Put-in-Bay, which is a beautiful harbor on South Bass Island in Lake Erie. This island lies about five miles off the south shore of Lake Erie and twenty miles north of Sandusky, Ohio. It is only a few hours by lake steamer from Cleveland, Toledo and Detroit. South Bass Island is one of the group of three Bass Islands, the others being Middle Bass and North Bass. Nearby are Green Island, Rattlesnake Island and several other smaller islands. This situation offers an excellent location for a Great Lakes biological station. Lake Erie is probably the richest in flora and fauna of any of the Great Lakes. The islands offer a varied environment of rocky shore, sandy beach and woodland. On the mainland, within easy reach, are extensive sand dunes, large marshes, woodlands and streams.

The laboratory will have quarters in the building of the fish hatchery operated by the state of Ohio. The second floor of this building furnishes ample room for lecture and table space. On the ground floor there are large aquaria and several tiers of hatching jars supplied with running water. The lab-

oratory owns a small gasoline launch and rowboats. In addition to this the boats and field equipment of the Fish Hatchery will be available. There is a large boat which will enable workers to visit any part of Lake Erie.

If the change for this year from the former location at Cedar Point to Put-in-Bay proves to be advantageous it is hoped that eventually close relationships can be established with the fish cultural activities in Ohio. The state authorities are giving their hearty cooperation. The staff for the coming session will comprise Dr. F. H. Kreeker, Ohio State University, Acting Director, who will give a course in ecology of aquatic animals; Dr. S. R. Williams, of Miami University, who will offer a course in the morphology of fresh-water invertebrates; Professor M. E. Stickney, of Denison University, who will have charge of the work in botany, and Professor Z. P. Metcalf, of North Carolina Agricultural College, who will give a course in entomology. Professor Herbert Osborn, research professor of Ohio State University, and Dr. R. C. Osburn, head of department zoology and entomology at Ohio State University, will be in attendance for parts of the session.

While the courses mentioned above are given for the benefit of those who may need them, the research activities of the laboratory are to be emphasized. Persons who may desire to engage in independent investigation of biological problems will be cordially welcomed. No fees will be charged such individuals unless for special equipment or materials supplied.

Comfortable living accommodations will be afforded in a furnished cottage adjoining the Fish Hatchery. Board will be given at cost.

The acting director, Dr. F. H. Kreeker, will be glad to give any information desired. He should be addressed until June 15 at Ohio State University, Columbus, Ohio, after that time at Put-in-Bay, Ohio.

#### ANTI-TYPHOID INOCULATION

DR. W. W. KEEN has addressed the following letter to the Secretary of War:

In a four-page pamphlet entitled "Why Is My Soldier Sick," issued by the National Anti-vivisee-